

FIG. 1B

FIG. 1B is a block diagram of a configurable media-independent server architecture.

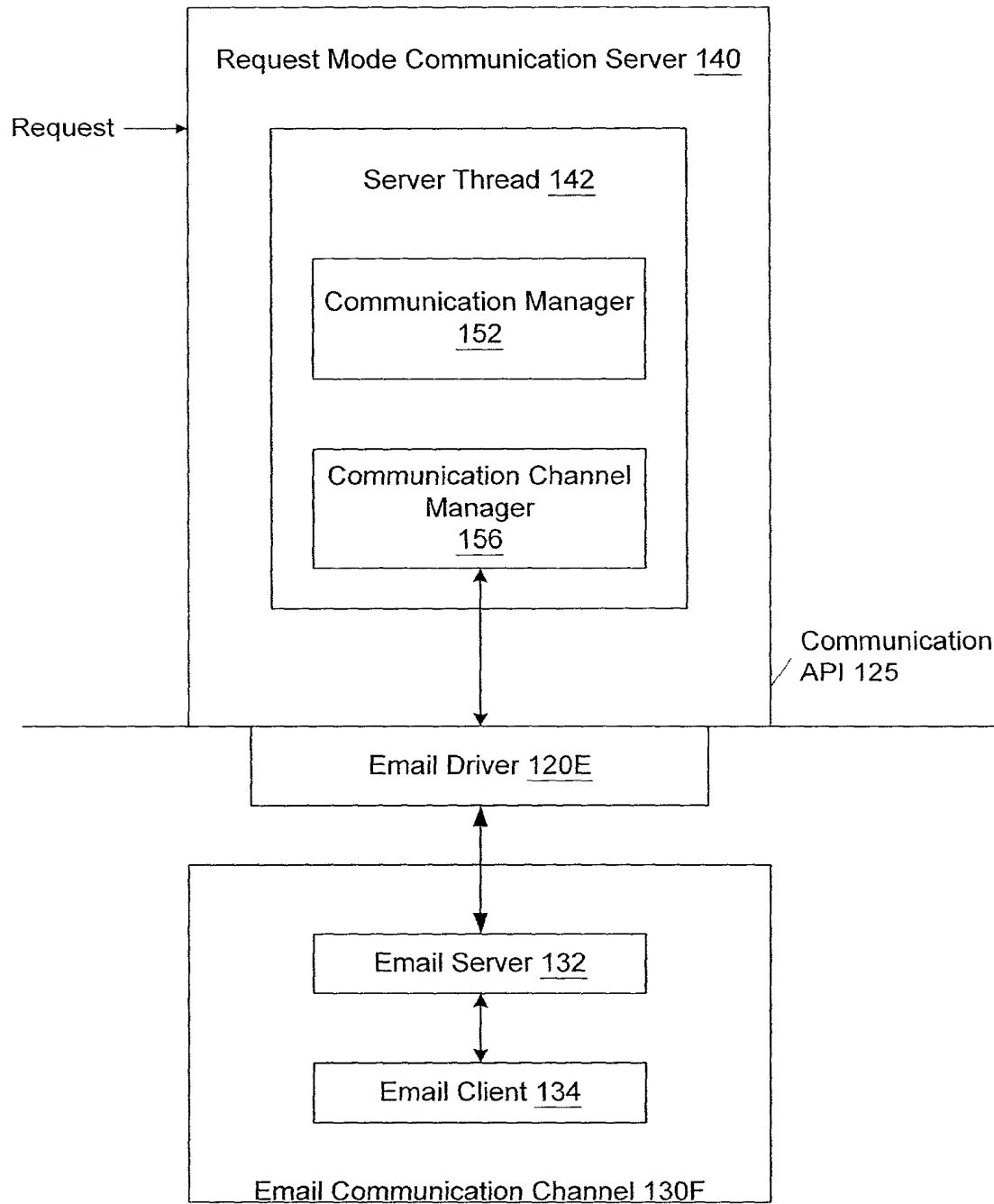


FIG. 1C

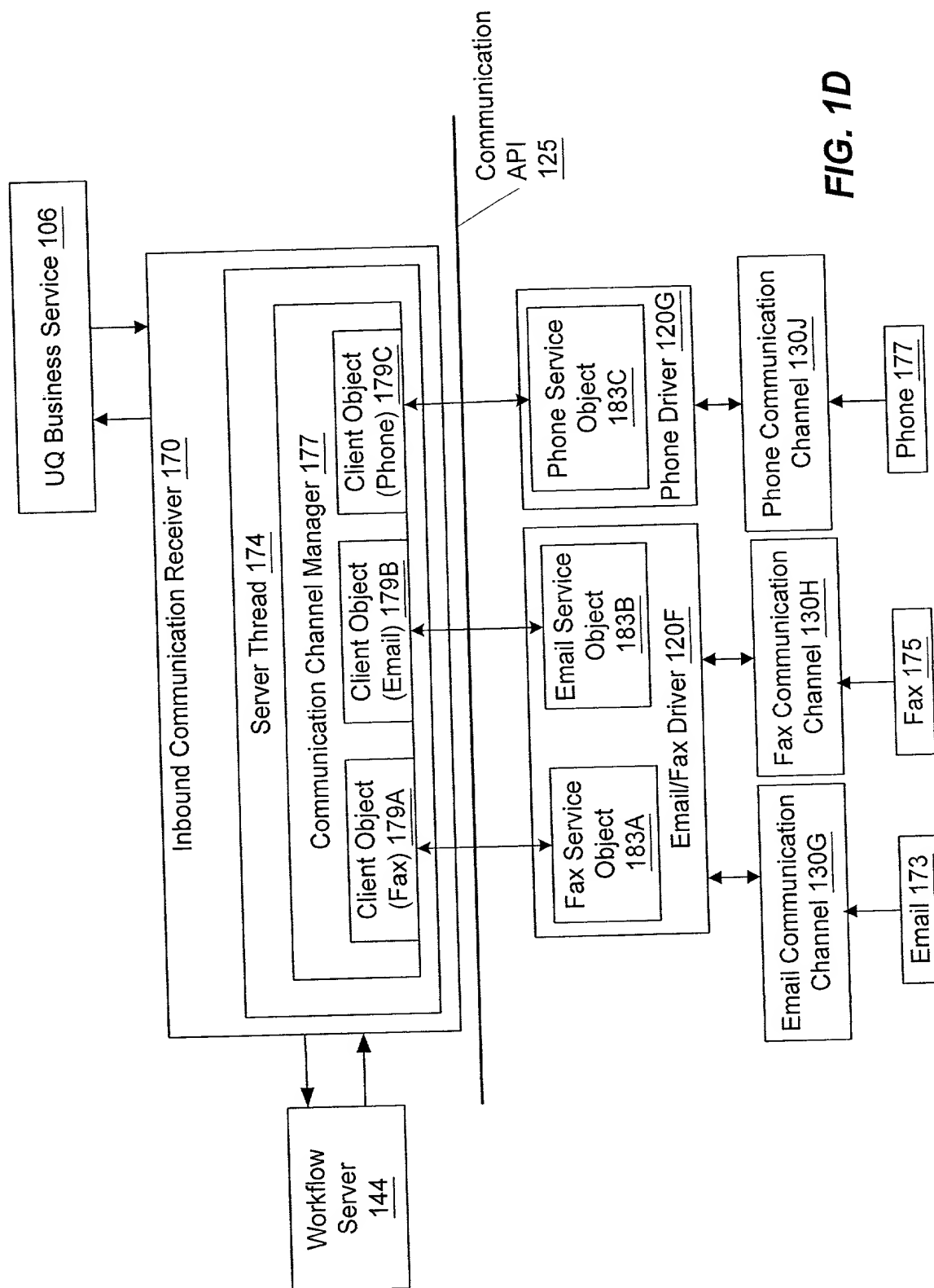
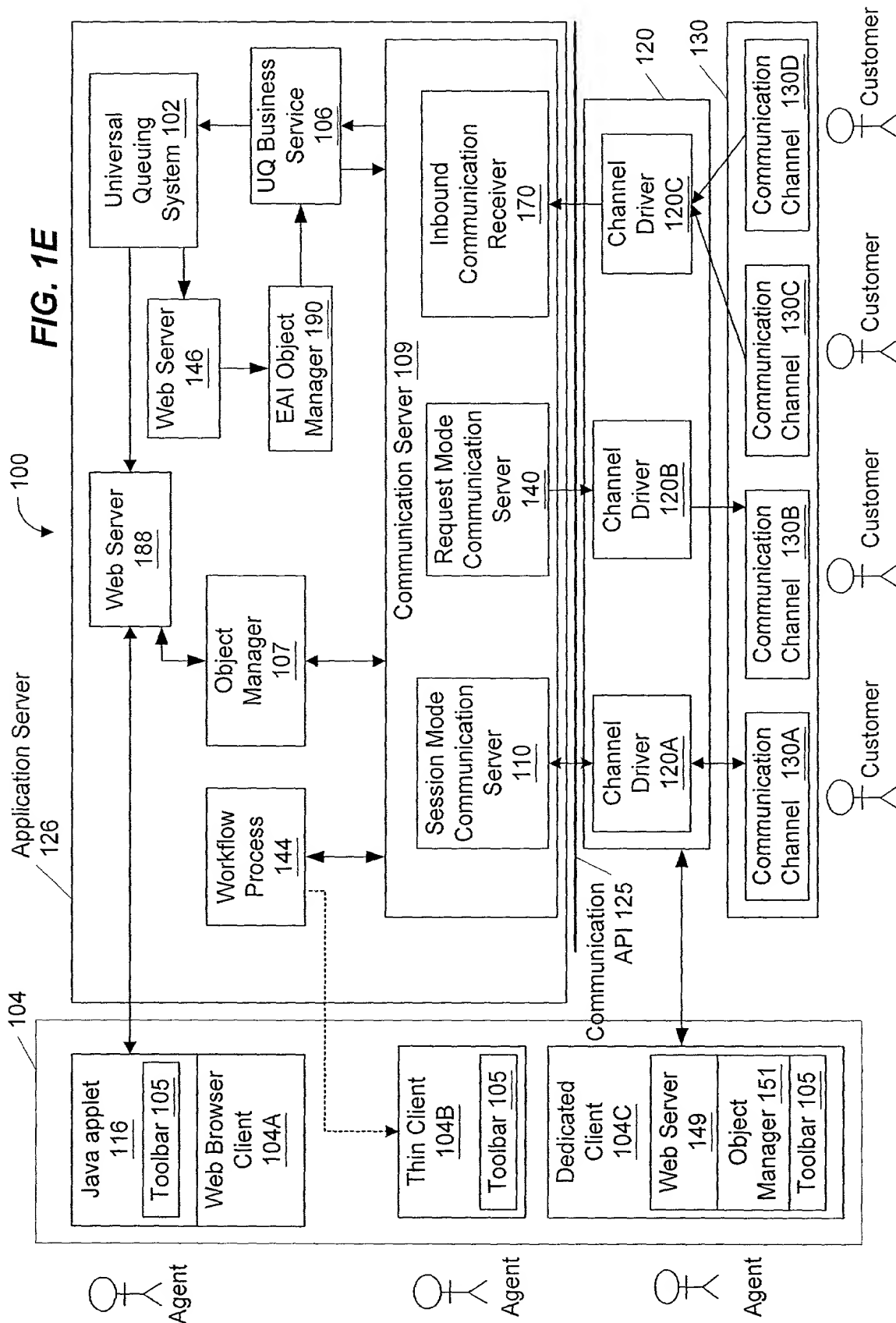


FIG. 1D



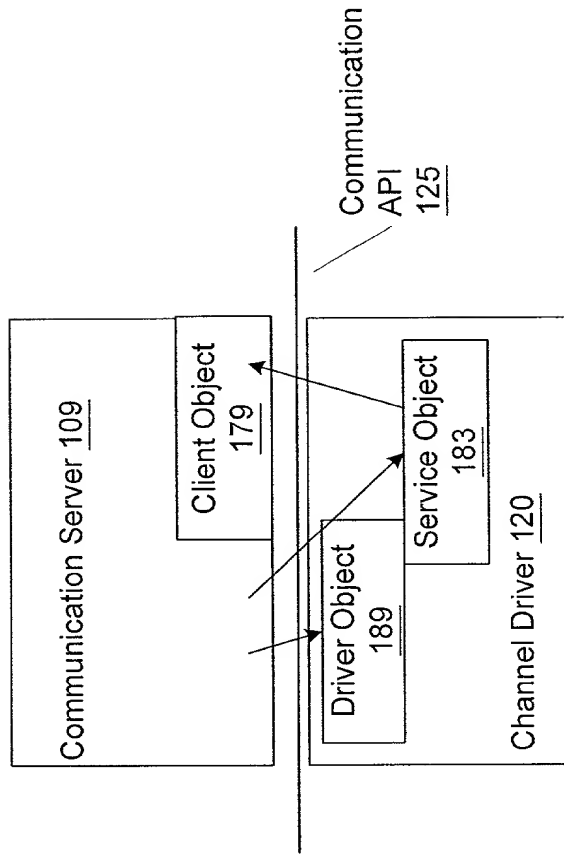


FIG. 1F

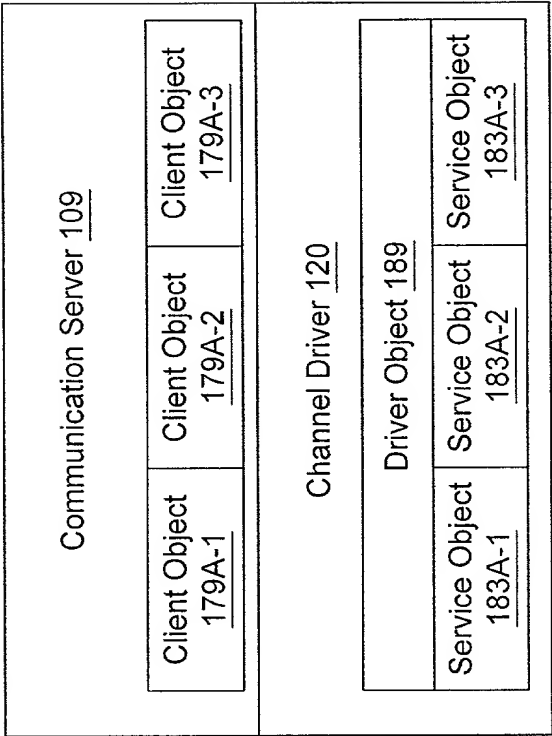


FIG. 1G

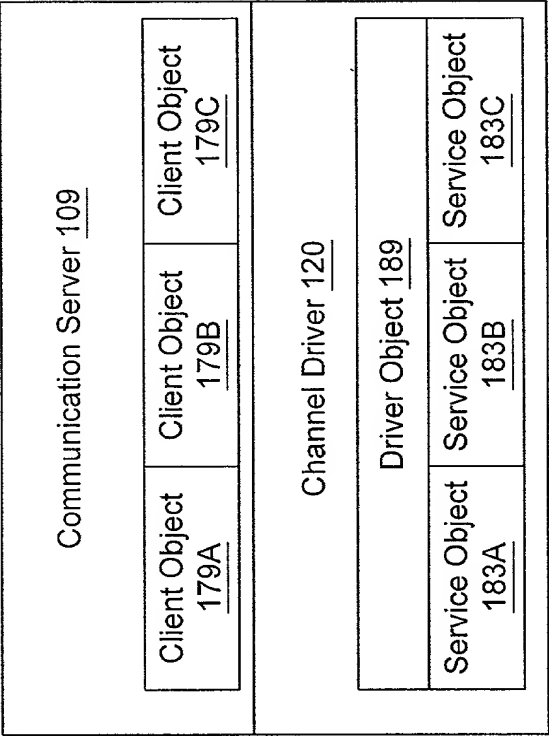


FIG. 1H

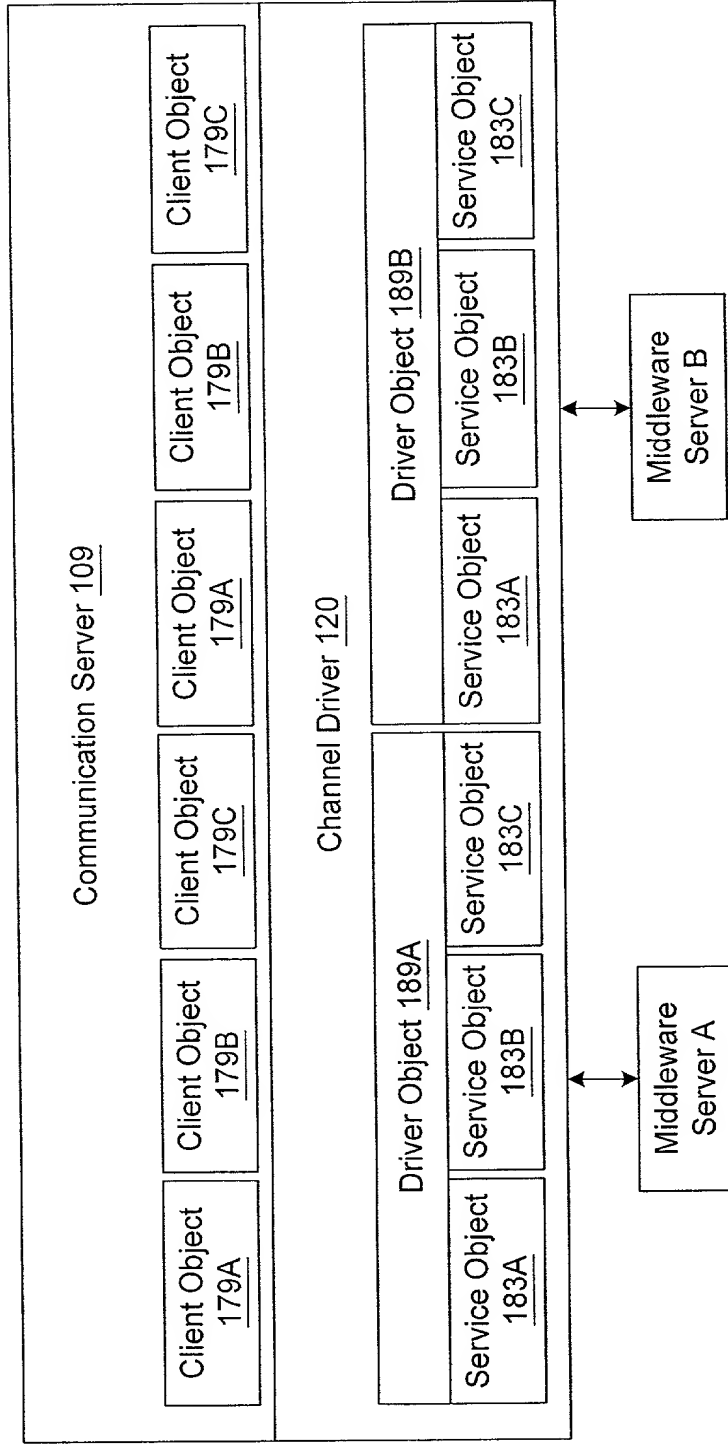


FIG. 1I

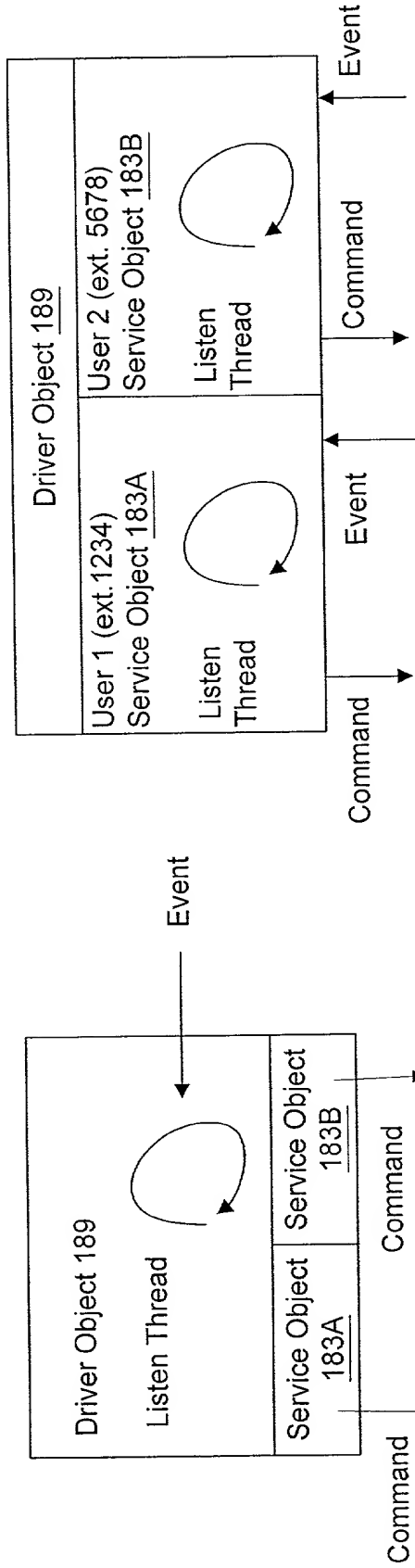


FIG. 1K

FIG. 1J

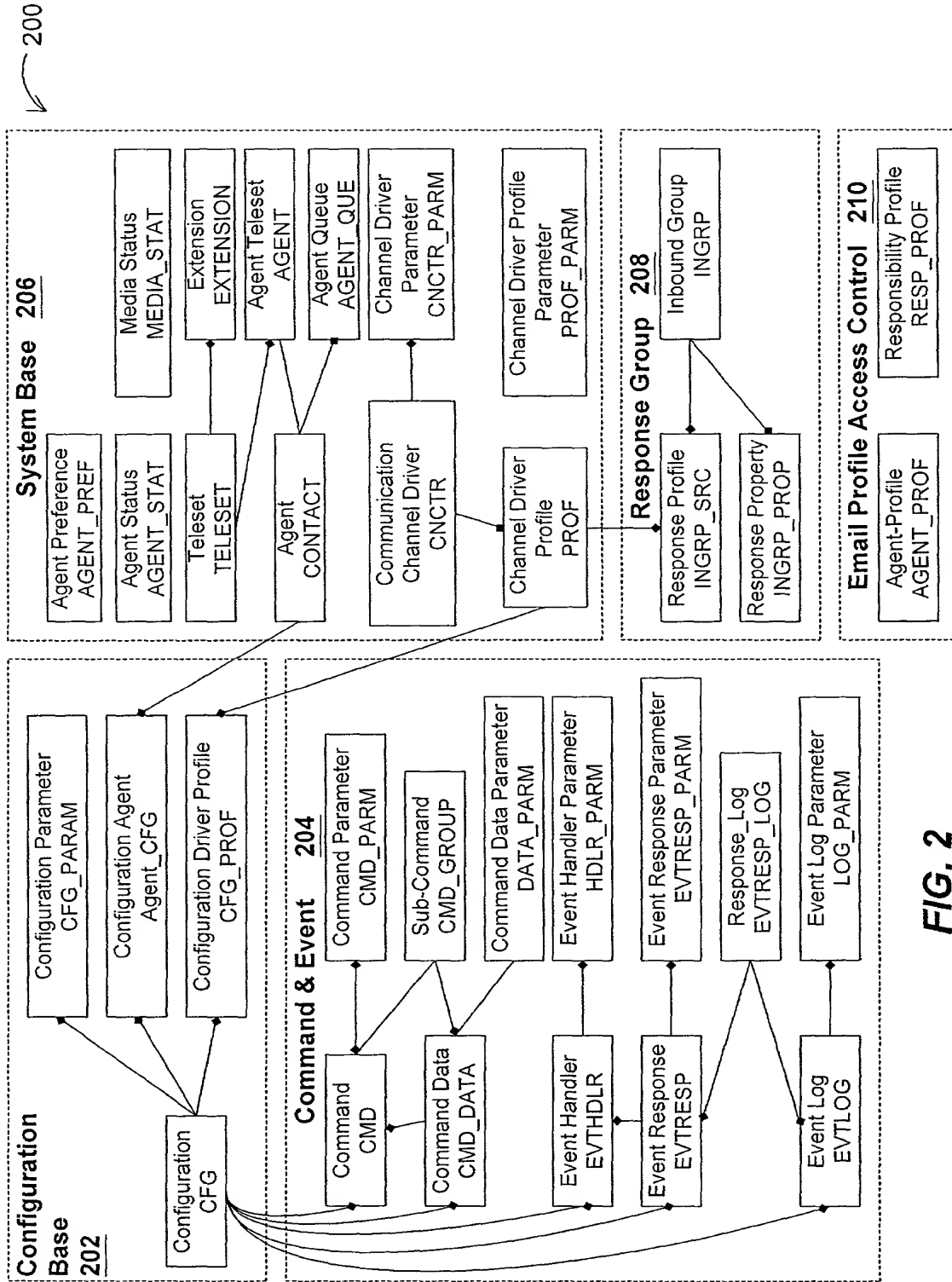


FIG. 2a: CNCTR, Communication Channel Driver Table

Column Name	Type	Length	Comments
CNCTR_ID	Varchar	15	Identifier for channel driver channel driver CNCTR. CNCTR refers to software <i>connector</i> .
NAME	Varchar	75	Name of channel driver.
MEDIA_TYPE	Varchar	50	Media type. The value of this column can be expanded by customer.
LIB_NAME	Varchar	250	File name of channel driver DLL
INBOUND_FLG	Char	1	To indicate whether this channel driver supports inbound communications
OUTBOUND_FLG	Char	1	To indicate whether this channel driver supports outbound communications
CNCTR_MEDIA_STR	Varchar	100	The media string defined by the driver vendor, which will be used at run time to invoke the media service for the channel driver.
DESC TEXT	Varchar	250	Comments
UQ_DRIVER_FLAG	Char	1	To indicate whether this channel driver is Universal Queuing type of channel driver

FIG. 2b: CNCTR_PARM, Channel Driver Parameter Table

Column Name	Type	Length	Comments
CNCTR_PARM_ID	Varchar	15	Identifier for channel driver parameter
NAME	Varchar	75	Name of channel driver parameter
DFLT_VALUE	Varchar	250	Default value of channel driver parameter
CNCTR_ID	Varchar	15	
REQUIRED_FLG	Char	1	To indicate whether this parameter must have a value at runtime

FIG. 2c: PROF, Communication Channel Driver Profile Table

Column Name	Type	Length	Comments
PROF_ID	Varchar	15	Identifier for channel driver profile
NAME	Varchar	75	Name of channel driver profile
CNCTR_ID	Varchar	15	

FIG. 2d: PROF_PARM, Communication Channel Driver Profile Parameter Table

Column Name	Type	Length	Comments
PROF_PARM_ID	Varchar	15	Identifier for channel driver profile parameter
PROF_ID	Varchar	15	Channel Driver Profile ID
CNCTR_PARM_ID	Varchar	15	Parameter name ID
VALUE	Varchar	250	Override value of channel driver profile parameter.

FIG. 2e: AGENT_PREF, Agent Preference Table

Column Name	Type	Length	Comments
AGENT_PREF_ID	Varchar	15	Identifier for agent preference
EMP_ID	Varchar	15	
SETTING_NAME	Varchar	75	Preference name
SETTING_VALUE	Varchar	250	Preference value
SETTING_TYPE	Varchar	50	Preference type, e.g., "CTI" or "Communication"

FIG. 2g: MEDIA_STAT, Communication Media Status Table.

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Column Name	Type	Length	Comments
MEDIA_STAT_ID	Varchar	15	Identifier for media status
EMP_ID	Varchar	15	Employee ID
PROF_ID	Varchar	15	The channel driver profile ID of the channel driver profile to which the status corresponds.
MEDIA_OBJECT_STR	Varchar	250	The string to represent the media object (e.g. the agent's extension number, or the sender's address of an email)
WORKING_SINCE_DT	Date Time	7	Work item starting time
WORK_ITEM_STR	Varchar	250	Work item ID

FIG. 2h: TELESET, Teleset Table.

Column Name	Type	Length	Comments
TELESET_ID	Varchar	15	Identifier for teleset
NAME	Varchar	30	Teleset Name
HOSTNAME	Varchar	70	Hostname of the computer connected to the Teleset.
COMMENTS	Varchar	250	

FIG. 2i: EXTENSION, Extension Table.

Column Name	Type	Length	Comments
EXTENSION_ID	Varchar	15	Identifier for extension
TELESET_ID	Varchar	15	Teleset ID
DN_EXT	Varchar	15	Extension Information
EXT_ACD_QUE	Varchar	30	This is the ACD queue to which this extension belongs.
EXT_TYPE	Varchar	30	ACD Extension or standard extension
AUTO_LOGIN_FLAG	Char	1	Indicate if we need to login to ACD for this extension at startup.

FIG. 2j: AGENT, Communication Agent Table.

FIG. 2j: AGENT, Communication Agent Table.

Column Name	Type	Length	Comments
AGENT_ID	Varchar	15	Identifier for agent
PR_CFG_ID	Varchar	15	The primary configuration the agent uses.
EMP_ID	Varchar	15	Employee ID
ACTIVE_CFG_ID	Varchar	15	The currently active configuration.
ACTIVE_TELESET_ID	Varchar	15	The Teleset that the agent is currently using.

FIG. 2k: AGENT_TELESET, Communication Agent-Teleset Table

Column Name	Type	Length	Comments
AGENT_TELESET_ID	Varchar	15	Identifier for agent/teleset relationship
AGENT_ID	Varchar	15	Agent ID
TELESET_ID	Varchar	15	Teleset ID

FIG. 2l: AGENT_QUEUE Table.

FIG. 2l: AGENT_QUEUE, Agent-Queue Table.

Column Name	Type	Length	Comments
AGENT_QUEUE_ID	Varchar	15	Identifier for agent/queue relationship
AGENT_ID	Varchar	15	Agent ID
ACD_QUEUE_NAME	Varchar	30	ACD Queue
AUTO_LOGIN_FLAG	Char	1	Indicates need to login to ACD for this extension at startup.

FIG. 2m: AGENT_LIM, Communication Agent Limitation Table.

Column Name	Type	Length	Comments
AGENT_LIM_ID	Varchar	15	Identifier for agent limitation
AGENT_ID	Varchar	15	Agent ID
PROF_ID	Varchar	15	Channel Driver Profile ID that agent cannot use.

FIG. 2n: CFG, Communication Configuration Table.

Column Name	Type	Length	Comments
CFG_ID	Varchar	15	Identifier for configuration
NAME	Varchar	30	Configuration name
INGRP_FLAG	Char	1	To indicate whether this configuration is for inbound response group used in inbound communication receiver.
COMMENTS	Varchar	250	

FIG. 2o: CFG_PROF, Communication Configuration Channel Driver Profile Table

Column Name	Type	Length	Comments
CFG_PROF_ID	Varchar	15	Configuration/channel driver profile relationship
CFG_ID	Varchar	15	Configuration ID
PROF_ID	Varchar	15	Channel Driver Profile ID

FIG. 2p: AGENT_CFG, Communication Agent - Configuration Table

Column Name	Type	Length	Comments
AGENT_CFG_ID	Varchar	15	Identifier for agent/configuration relationship
AGENT_ID	Varchar	15	Agent ID
CFG_ID	Varchar	15	Configuration ID

FIG. 2q: CFG_PARM, Communication Configuration Parameter Table.

Column Name	Type	Length	Comments
CFG_PARM_ID	Varchar	15	Identifier for configuration parameterand
CFG_ID	Varchar	15	Configuration ID
NAME	Varchar	50	Parameter Name
VALUE	Varchar	50	Parameter Value
ACTIVE_FLG	Char	1	Active flag is set if the value is valid

FIG. 2r: CMD, Communication Command Table

Column Name	Type	Length	Comments
CMD_ID	Varchar	15	Identifier for command
CFG_ID	Varchar	15	Configuration ID
NAME	Varchar	70	Command name
TYPE	Varchar	50	Command type
PROF_ID	Varchar	15	The channel driver profile ID for the channel driver profile that this command is targeting.

FIG. 2s: CMD_PARM, Communication Command Parameter Table

Column Name	Type	Length	Comments
CMD_PARM_ID	Varchar	15	Identifier for command parameter
CMD_ID	Varchar	15	Command ID
PARAM_NAME	Varchar	100	Command parameter name
PARAM_VALUE	Varchar	100	Command parameter value

FIG. 2t: CMD_DATA, Communication Command Data Table

Column Name	Type	Length	Comments
CMD_DATA_ID	Varchar	15	Identifier for command data
CFG_ID	Varchar	15	Command ID
NAME	Varchar	100	Command parameter name
Comment	Varchar	200	Comment (optional)

FIG. 2u: CMD_DATA_PARAM, Communication Command Data Parameter Table

Column Name	Type	Length	Comments
CMD_DATA_PARAM_ID	Varchar	15	Identifier for command data parameter
CMD_DATA_ID	Varchar	15	Identifier for command data
PARAM_NAME	Varchar	100	Command parameter name
PARAM_VALUE	Varchar	200	

FIG. 2v: CMD_GROUP, Communication Command Group Table

Column Name	Type	Length	Comments
CMD_GROUP_ID	Varchar	15	Identifier for group of commands
SUB_CMD_ID	Varchar	15	Foreign key to command table
ORDER	Number	10	Default "0"

FIG. 2w: EVTHDLR, Communication Event Handler Table

Column Name	Type	Length	Comments
EVTHDLR_ID	Varchar	15	Identifier for event handler
PROF_ID	Varchar	15	The channel driver profile ID for the channel driver profile from which this event originated.
NAME	Varchar	100	Event name
MEDIA_EVENT	Varchar	100	Identifier for event
ORDER	Number	10	Default "0"
EVT_RESP_ID	Varchar	15	Foreign key to event response table
Comment	Varchar	200	Comment (optional)

FIG. 2x: HDLR_PARM, Communication Event Handler Parameter Table

Column Name	Type	Length	Comments
HDLR_PARM_ID	Varchar	15	Identifier for event handler response
EVT_HDLR_ID	Varchar	15	Identifier for event handler
PARAM_NAME	Varchar	100	Event parameter name
PARAM_VALUE	Varchar	200	Event parameter value

FIG. 2y: EVTRESP, Communication Event Response Table

Column Name	Type	Length	Comments
EVTRESP_ID	Varchar	15	Identifier for event response
CFG_ID	Varchar	15	Identifier for configuration
NAME	Varchar	100	Event parameter name
COMMENT	Varchar	200	Comment (optional)

FIG. 2z: EVTRESP_PARM, Communication Event Response Parameter Table

Column Name	Type	Length	Comments
RESP_PARM_ID	Varchar	15	Identifier for event response parameter
EVTRESP_ID	Varchar	15	Identifier for event response
PARAM_NAME	Varchar	100	Event response parameter name
PARAM_VALUE	Varchar	200	Event response parameter value

FIG. 2aa: EVTLOG, Communication Event Log Table

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Column Name	Type	Length	Comments
EVTLOG_ID	Varchar	15	Identifier for event log
CFG_ID	Varchar	15	Foreign key for configuration table
NAME	Varchar	100	Event parameter name
COMMENT	Varchar	200	Comment (optional)

FIG. 2bb: LOG_PARM, Communication Event Log Parameter Table

Column Name	Type	Length	Comments
LOG_PARM_ID	Varchar	15	Identifier for event log parameter
EVTLOG_ID	Varchar	15	Identifier for event log
PARAM_NAME	Varchar	100	Event log parameter name
PARAM_VALUE	Varchar	200	Event log parameter value

FIG. 2cc: EVTRESP_LOG Event Response – Event Log Table

Column Name	Type	Length	Comments
RESP_LOG_ID	Varchar	15	Identifier for response log
EVTRESP_ID	Varchar	15	Identifier for event response
EVTLOG_ID	Varchar	15	Identifier for event log
LOG_TYPE	Varchar	100	Type of EventLog declaration specified in EventResponse definition.

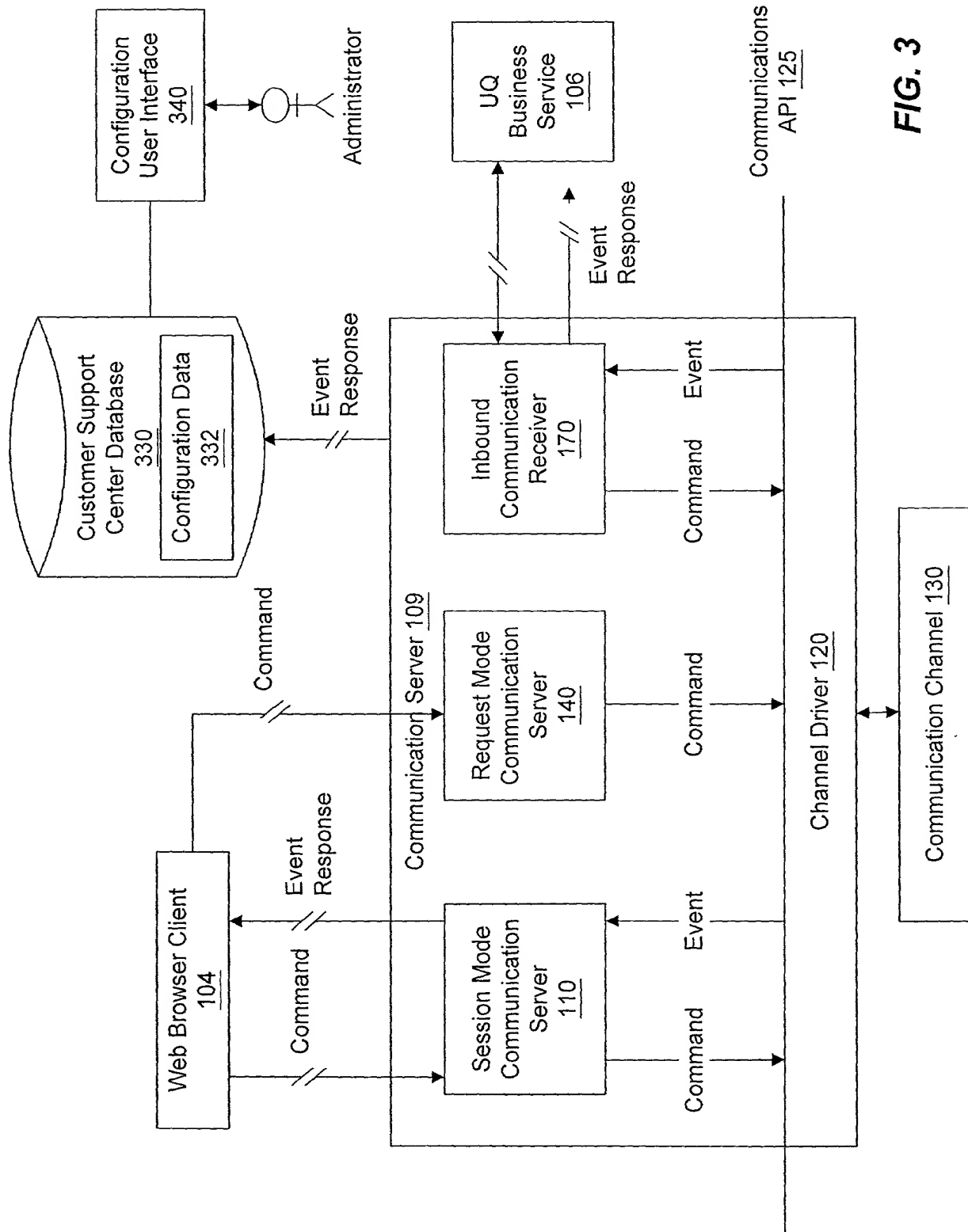


FIG. 3

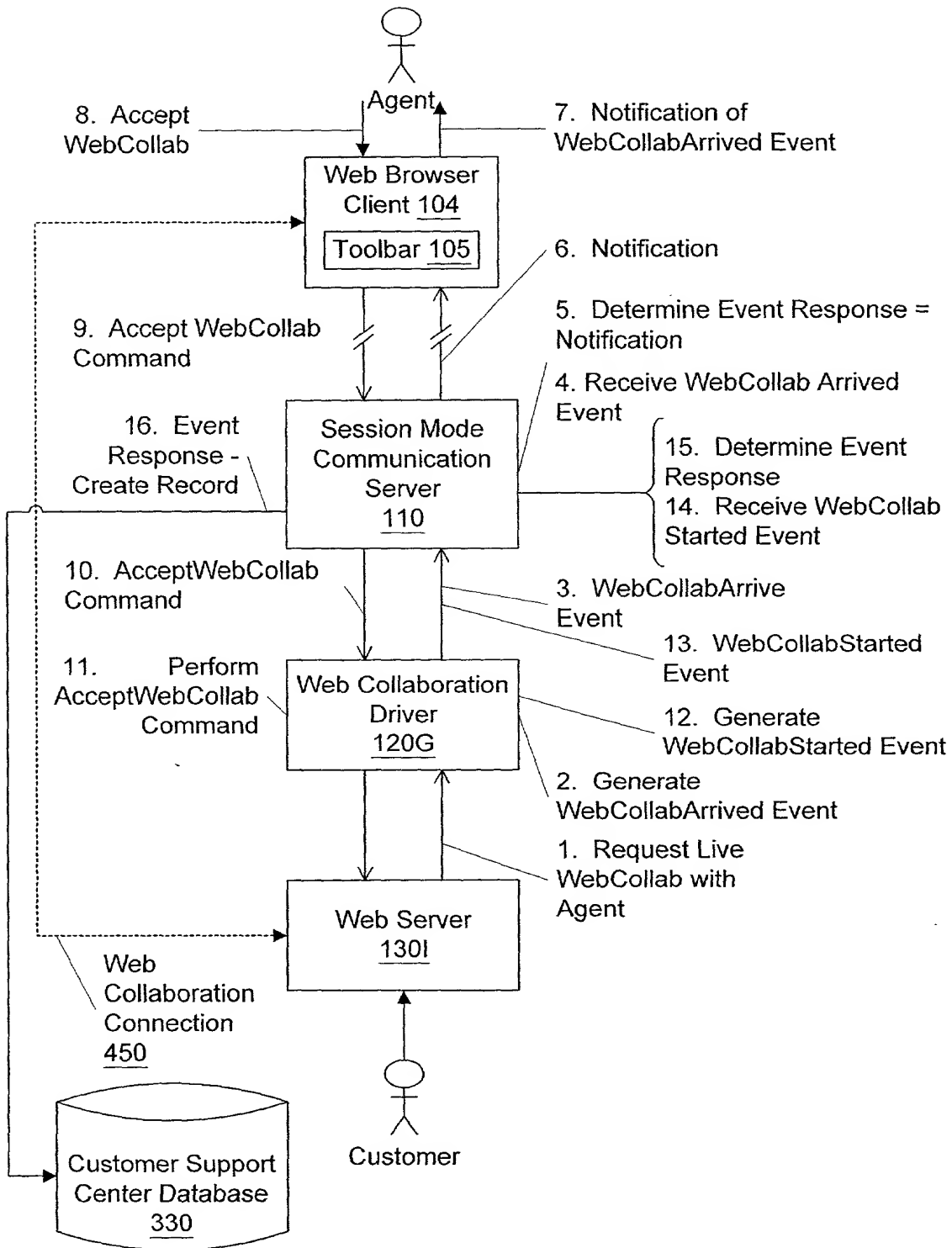


FIG. 4

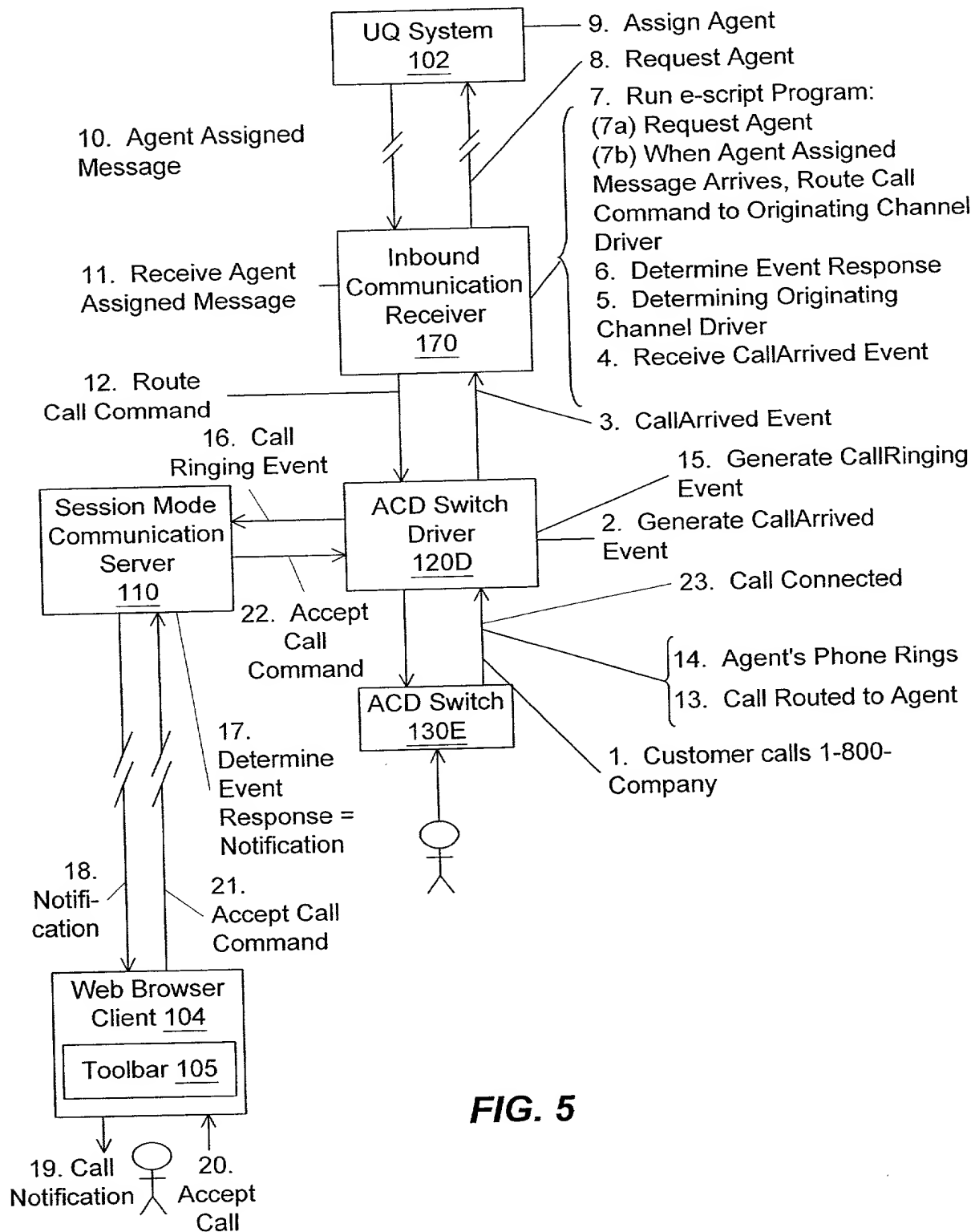


FIG. 5

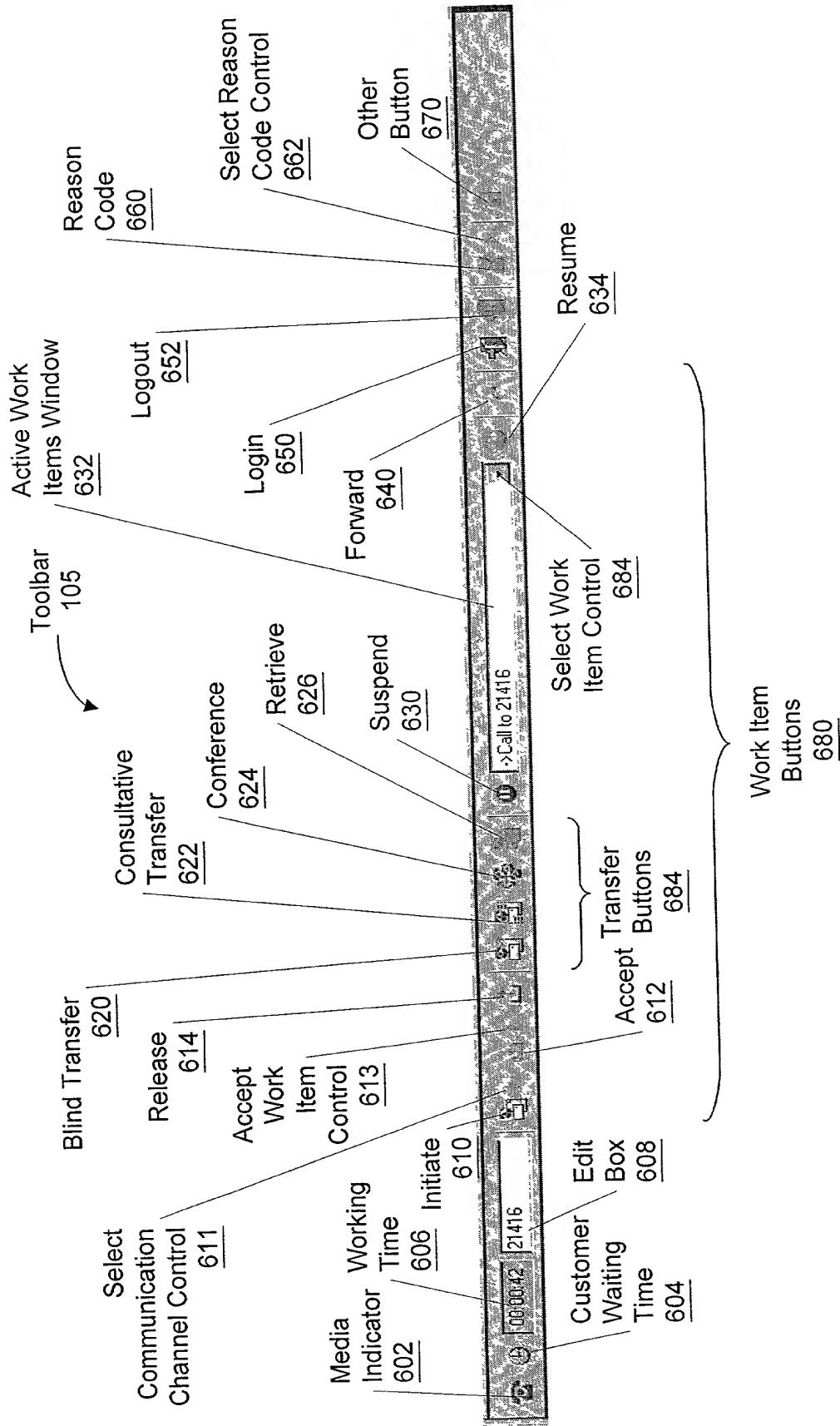


FIG. 6